

Serial No. 10/774,389
Docket No. PTGF-03083

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JAN 14 2008

AMENDMENTS TO THE CLAIMS:

Please amend claim 3 as follows:

1. (Previously Presented) A light emitting apparatus, comprising:

a semiconductor light emitting element including a substrate, wherein light radiates from a light emission surface of the substrate of said light emitting element, the light emission surface being provided on the substrate opposite to an electrode forming surface of the light emitting element; and

an inorganic transparent structure, mounted on the light emission surface of the substrate, wherein the transparent structure is optically connected with the entire light emission surface, has a light distribution characteristic based on a three-dimensional shape of the transparent structure, comprises a side surface through which light radiated from the light emission surface is discharged from the transparent structure, and is bonded to the substrate by a transparent adhesive layer.
2. (Canceled).
3. (Currently Amended) The light emitting apparatus according to claim 1, wherein:

the transparent structure has a thickness in a range from one-half of a thickness of half ~~that~~ of the semiconductor light emitting element to twice the length of a shortest ~~shorter~~ side of the semiconductor light emitting element.
4. (Original) The light emitting apparatus according to claim 1, wherein:

the transparent structure has a microscopic uneven surface to diffuse light.

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5. (Original) The light emitting apparatus according to claim 1, wherein:
the transparent structure has a reflection layer formed on its surface.
6. (Previously Presented) The light emitting apparatus according to claim 17,
wherein:
one of the lead frames has a cup portion, and
the transparent structure is fixed on the cup portion through adhesive resin with light
diffusion material mixed therein.
7. (Previously Presented) The light emitting apparatus according to claim 17,
wherein:
the electrodes do not transmit light.
8. (Previously Presented) A light emitting apparatus, comprising:
a semiconductor light emitting element that includes a substrate and that radiates light
from a light emission surface on the substrate of the semiconductor light emitting element
opposite an electrode forming surface of the light emitting element;
lead frames that are electrically connected to electrodes formed on the electrode forming
surface through wires;
an inorganic transparent structure that is mounted on the light emission surface of the
substrate and optically connected with the entire light emission surface and that has a light
distribution characteristic based on a three-dimensional shape of the transparent structure; and
light transmitting resin that seals the semiconductor light emitting element and the
transparent structure, the light transmitting resin comprising a phosphor to wavelength-convert
light emitted from the semiconductor light emitting element,

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wherein the transparent structure comprises a side surface through which light radiated from the light emission surface is discharged from the transparent structure, and is bonded to the substrate by a transparent adhesive layer.

9. (Previously Presented) The light emitting apparatus according to claim 8, wherein:
the light transmitting resin comprises two or more phosphors.
10. (Previously Presented) The light emitting apparatus according to claim 1, wherein
the semiconductor light emitting element comprises the substrate, a buffer layer, an n-type semiconductor layer, a light-emitting layer, and a p-type semiconductor layer.
11. (Previously Presented) The light emitting apparatus according to claim 1, wherein
the semiconductor light emitting element comprises a gallium nitride system compound semiconductor.
12. (Previously Presented) The light emitting apparatus according to claim 1, wherein
the transparent structure comprises a light transmitting material comprising at least one of SiO_2 , Al_2O_3 , SiC , Si_3N_4 , AlN , ZrO_2 , borosilicate glass, and alumino-silicate glass.
13. (Previously Presented) The light emitting apparatus according to claim 1, wherein
the substrate comprises sapphire.
14. – 15. (Canceled).

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16. (Previously Presented) A light emitting apparatus, comprising:
- a semiconductor light emitting element that includes a substrate and that radiates light from a light emission surface provided on the substrate of the semiconductor light emitting element opposite to an electrode forming surface of the light emitting element;
 - lead frames that are electrically connected to electrodes formed on the electrode forming surface through wires;
 - an inorganic transparent structure that is mounted on the light emission surface of the substrate and optically connected with the entire light emission surface and that has a light distribution characteristic based on a three-dimensional shape of the transparent structure; and
 - light transmitting resin that seals the semiconductor light emitting element and the transparent structure,
- wherein the transparent structure comprises a side surface through which light radiated from the light emission surface is discharged from the transparent structure, and is bonded to the substrate by a transparent adhesive layer.

17. (Previously Presented) The light emitting apparatus according to claim 1, further comprising lead frames that are electrically connected to electrodes formed on the electrode forming surface through wires.

18. (Previously Presented) The light emitting apparatus according to claim 1, further comprising light transmitting resin that seals the semiconductor light emitting element and the transparent structure.

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19. (Previously Presented) The light emitting apparatus according to claim 8, wherein the transparent structure is mounted on the light emission surface of the substrate by an adhesive layer.

20. (Previously Presented) The light emitting apparatus according to claim 16, wherein the transparent structure is mounted on the light emission surface of the substrate by an adhesive layer.

21. (Previously Presented) The light emitting apparatus according to claim 1, wherein the side surface comprises an inclined plane.

22. (Previously Presented) The light emitting apparatus according to claim 8, wherein the side surface comprises an inclined plane.

23. (Previously Presented) The light emitting apparatus according to claim 16, wherein the side surface comprises an inclined plane.